

**Vue d'ensemble**

- M12, Female, A-coded, 12-poles; PUR, 300 cm, free cable end
- Dragchain capable; suitable for robotics  $\pm 180^\circ/\text{m}$
- Head A: IP65, IP66K, IP67
- Cable: good resistance against chemicals, flames, oils
- Halogen free


**Caractéristiques techniques**

Side A		Cable	
Head A: Connection	M12	Cable length	300 cm
Head A: Angle cable outlet	0°	Acceleration (C-track)	max. 5 m/s <sup>2</sup>
Head A: Gender	Female	AWG	26
Head A: Coding	A	Bending radius (fixed)	min. 7,5 × outer diameter
Head A: No. of poles	12	Torsion speed	max. 35 cycles/min
Head A: LED	No	Bending radius (mobile)	min. 10 × outer diameter
Head A: Width across flats	AF13	Cable weight	approx. 45,1 g/m
Head A: Tightening torque	0,6 Nm	Conductor structure	18 × 0,1 mm
Head A: Knurled nut material	Zinc-pressure die casting, surface Ni	Cable diameter	6 mm ± 5%
Head A: Body color	Black	Conductor: Material	Copper, bare
Head A: Gasket material	FKM	External sheath: Material	PUR
Labeling sleeve side A	Yes	Insulation: Material	PP
Side B		No. of bending cycles (C-track)	approx. 2000000 Cycles
Head B: Connection	Open-ended wires	Nominal voltage	300 V
Labeling sleeve side B	Yes	No. of torsion cycles	approx. 2000000 Cycles
Cables		Paired stranding	No
Cable length	300 cm	Single wire diameter	0,1 mm
Length tolerance	+ 10 cm	Cable: Test voltage	1,5 kV 0
Stripping length	80 mm	Torsion stress in °	± 180 °/m
Shielded	No	Total stranding	3 wires strand, above that 9 wires strand
Conductor structure	18 × 0,1 mm	Travel speed (C-track)	max. 3,3 m/s
AWG	26	Traversing path (horizontal)	max. 5 m
External sheath: Material	PUR	Wire cross section	0,14 mm <sup>2</sup>
External sheath: Color	Black	Wire processing	No
Cable diameter	6 mm ± 5%	Wire diameter incl. isolation	1 mm ± 5%
Wire cross section	0,14 mm <sup>2</sup>	External sheath: Color	Black
Cable		Données électriques	
External sheath: Shore hardness	92 ± 5 A	Operating voltage	max. 30 V AC/DC 0
Cable: Temperature range (mobile)	- 25 ... + 85 °C	Nominal voltage	300 V
Cable: Temperature range (fixed)	- 40 ... + 85 °C	Contact resistance	max. 30 mOhm
Shielded	No	Operating current per contact	max. 1,5 A
Bending radius (fixed)	45 mm	Données mécaniques	
Number of wires	12	Head A: Degree of protection	IP65, IP66K, IP67
Number and diameter of wires	12x0,14	Bending radius (mobile)	min. 10 × outer diameter
Length tolerance	+ 10 cm	Bending radius (fixed)	min. 7,5 × outer diameter
		No. of bending cycles (C-track)	approx. 2000000 Cycles

**Caractéristiques techniques**

**Données mécaniques**

Torsion speed	max. 35 cycles/min
Torsion stress in °	± 180 °/m
No. of torsion cycles	approx. 2000000 Cycles
Acceleration (C-track)	max. 5 m/s <sup>2</sup>
Travel speed (C-track)	max. 3,3 m/s

**Conditions ambiantes**

Temperature range (mobile)	- 25 ...+ 85 °C
Temperature range (fixed)	- 25 ...+ 85 °C
Cable: Temperature range (fixed)	- 40 ...+ 85 °C
Dragchain capable	Oui
Head A: Chemical resistance	No

**Conditions ambiantes**

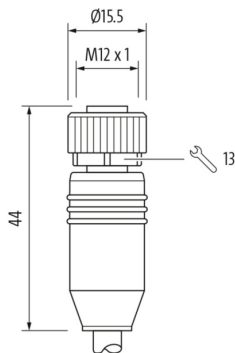
Head A: Flame resistance	HB (UL 94)
Head A: Oil resistance	ASTM 1 oil, mineral oils, limited to hydraulic oils
Head A: Acid and alkali resistant	No
Head A: Pollution degree	3
Cable: Chemical resistance	Good (VDE 0472 part 803)
Cable: Flame resistance	Conform VDE 0472 part 804 test type B, IEC 60332-2
Cable: Oil resistance	Good (VDE 0472 part 803)
Cable: Silicone-free	Oui

**Commercial data**

Eclass	27060311
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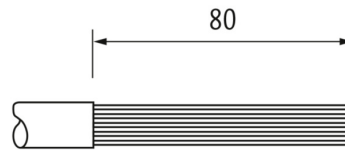
**Side A**

**Technical drawing**

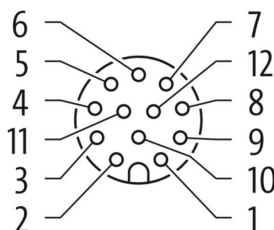


**Side B**

**Technical drawing**



**Coding**



**Schéma de raccordement**

1 )	BN
2 )	BU
3 )	WH
4 )	GN
5 )	PK
6 )	YE
7 )	BK
8 )	GY
9 )	RD
10 )	VT
11 )	GY PK
12 )	RD BU